Docket No.

243203US2RD

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

Hideki SATAKE

SERIAL NO:

10/670,279

GAU:

2814

FILED:

September 26, 2003

EXAMINER: PHAM, LONG

FOR:

SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME

# INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

#### REFERENCES

- The applicant(s) wish to make of record the references cited in the attached Supplementary European Search Report and listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

#### RELATED CASES

- Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

### CERTIFICATION

- Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- □ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

#### DEPOSIT ACCOUNT

Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

Eckhard H. Kuesters Registration No. 28,870

Customer Number

Tel. (703) 413-3000 Fax. (703) 413-2220 (OSMMN 05/03)

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SHEET 1 OF 1

| Form PTO 1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE |   |                        | ATTY DOCKET     | SERIAL NO.                                |                 |   |            |             |
|--|---|------------------------|-----------------|---|-----------------|---|------------|-------------|
|  |   |                        | 243203US2RD     | 10/670,279                                |                 |   |            |             |
|  |   |                        |                 | APPLICANT                                 |                 |   |            |             |
| LIST OF  | REFER   | RENCES CITED BY AF     | PLICANT         | Hideki SATAKE                             |                 |   |            |             |
|  |   |                        |                 | FILING DATE                               |                 | GROUP                                   |            |             |
|  |   |                        |                 | September 26, 2003                        | 2814            |   |            |             |
| ****   |   |                        |                 | U.S. PATENT DOCUMENTS                     |                 |   |            |             |
| EXAMINER   |   | DOCUMENT               | DATE            | NAME                                      | CLASS           | SUB                                     |            | LING DATE   |
| INITIAL  |   | NUMBER                 | DATE            |   |                 | CLASS                                   | IF AF      | PPROPRIATE  |
|  | AA  | 6,225,151              | 5/1/2001        | GARDNER et al.                            |                 | ļ                                       |            |             |
|  | AB  | 5,827,774              | 10/27/1998      | KITAJIMA                                  | <u> </u>        |   |            |             |
|  | AC  | 6,300,664              | 10/9/2001       | KUROI et al.                              |                 |   |            |             |
| 2.7  | AD  | 6,288,433              | 9/11/2001       | AKRAM et al.                              |                 |   |            |             |
|  | ΑE  | 5,885,884              | 3/23/1999       | JAN et al.                                |                 |   |            |             |
|  | AF  | 6,242,356              | 6/5/2001        | JANG et al.                               |                 |   |            |             |
|  | AG  |                        |                 |   |                 |   |            |             |
|  | АН  |                        |                 |   |                 |   |            |             |
|  | Αl  |                        |                 |   |                 |   |            |             |
|  | AJ  |                        |                 |   |                 | <u> </u>                                |            |             |
|  | AK  |                        |                 |   |                 |   | ļ          |             |
|  | AL  |                        |                 |   |                 |   |            |             |
|  | АМ  |                        |                 |   |                 |   |            |             |
|  | AN  |                        |                 |   | <u> </u>        | <u> </u>                                |            |             |
|  |   |                        | FC              | DREIGN PATENT DOCUMENTS                   |                 |   |            |             |
|  | DOCUMENT  |                        |                 | COUNTRY                                   |                 | TRANSLATION                             |            |             |
|  |   | NUMBER                 | DATE            | COUNTRY                                   |                 | YE                                      | s          | NO          |
|  | AO  | EP 0 350 845           | 1/17/1990       | EUROPE                                    |                 | X                                       |            |             |
|  | AP  | EP 0 706 204           | 4/10/1996       | EUROPE                                    |                 | ×                                       |            |             |
| -  | AQ  |                        |                 |   |                 |   |            |             |
|  | AR  |                        |                 |   |                 |   |            |             |
|  | AS  |                        |                 |   |                 |   |            |             |
|  | AT  |                        |                 |   |                 |   |            |             |
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|  | AV  | 1                      |                 |   |                 |   |            |             |
|  | 1   | OTHER                  | REFERENCES      | (Including Author, Title, Date, Pertinen  | t Pages,        | etc.)                                   |            |             |
| <b> </b>   | _   | Tayanungka A -4-1      | THE FEECO       | S ON METAL OXIDE SEMICONDUCTOR            | R FIFLD F       | FFECT T                                 | RANSIST    | ror         |
|  | AW PROPERTIES OF NITROGEN IMPLANTATION INTO P+ POLYSILICON GATE", Japanese Journal of Applied Physics, Vo. 36, No. 2, February 1997, pgs. 617-622, XP-000735532  HSING-HUANG TSENG, "FLUORINE DIFFUSION ON A POLYSILICON GRAIN BOUNDARY NETWORK IN RELATION TO BORON PENETRATION FROM P+ GATES", IEEE Electron Device Letters, Vol. 13, No. 1, January 1992, pgs. 14-16, XP |                        |                 |   |                 |   |            |             |
| <u> </u>   |   |                        |                 |   |                 |   |            |             |
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|  | AZ  |                        |                 |   | Ad              | Additional References sheet(s) attached |            |             |
| Examiner   |   |                        |                 |   | Date Considered |   |            |             |
|  |   |                        |                 | ot citation is in conformance with MPEP 6 | 1<br>09: Draw   | line throug                             | h citation | n if not in |
| Examiner:  | initial if  | reterence is considere | u, wnether of f | m with next communication to applicant.   | , Diu           |   | ,          |             |